

MATERIAL SAFETY DATA SHEET

CIBA-GEIGY CORPORATION
PLASTICS & ADDITIVES DIVISION
THREE SKYLINE DRIVE
HAWTHORNE, NEW YORK 10532

EMERGENCY PHONE NUMBERS:
SAFETY/HEALTH: (914) 347-4700
AFTER HOURS : (800) 334-9481

SECTION I-IDENTITY INFORMATION

IDENTITY (TRADENAME): RP 1129 HARDENER

FAMILY/CHEMICAL NAME:

AMINE

PRODUCT TYPE:

SURFACE COAT HARDENER

IMPORTANT:

THIS MATERIAL WILL NOT BE SOLD FOR USE IN PRODUCTS
FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES OR
ABRADED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY, IS
SPECIFICALLY INTENDED. BECAUSE OF THE WIDE RANGE OF
SUCH POTENTIAL USES, CIBA-GEIGY CORPORATION IS NOT ABLE
TO RECOMMEND THIS MATERIAL AS SAFE AND EFFECTIVE FOR
SUCH USES AND ASSUMES NO LIABILITY FOR ANY SUCH USES.

HAZARD STATEMENT:

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN
PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD
COMMUNICATION STANDARD 29 CFR 1910.1200.
THIS PRODUCT IS CONSIDERED TO BE A HAZARDOUS
CHEMICAL UNDER THAT STANDARD.

SECTION II-HAZARDOUS INGREDIENTS

CHEMICAL NAME: 4,4'-ISOPROPYLIDENE DIPHENOL

COMMON NAME : BISPHENOL A

CAS NUMBER : 00080-05-7

CARCINOGENICITY:

THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN

RP 1129 HARDENER

BY NTP, IARC, OR OSHA.

CHEMICAL NAME: DIETHYLENE TRIAMINE

COMMON NAME : DETA

CAS NUMBER : 00111-40-0

EXPOSURE LIMITS:

ACGIH TLV: 4.0 MG./CU. M. TWA (SKIN).

CARCINOGENICITY:

THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN
BY NTP, IARC, OR OSHA.

CHEMICAL NAME: 2 METHYL BENZENESULFONAMIDE

COMMON NAME : SUBSTITUTED BENZENESULFONAMIDE

CAS NUMBER : 00088-19-7

CARCINOGENICITY:

THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN
BY NTP, IARC, OR OSHA.

CHEMICAL NAME: 4 METHYL BENZENESULFONAMIDE

COMMON NAME : SUBSTITUTED BENZENESULFONAMIDE

CAS NUMBER : 00070-55-3

CARCINOGENICITY:

THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN
BY NTP, IARC, OR OSHA.

CHEMICAL NAME: N-ETHYL, 2 METHYL BENZENESULFONAMIDE

COMMON NAME : SUBSTITUTED BENZENESULFONAMIDE

CAS NUMBER : 01077-56-1

CARCINOGENICITY:

THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN
BY NTP, IARC, OR OSHA.

CHEMICAL NAME: N-ETHYL, 4 METHYL BENZENESULFONAMIDE

COMMON NAME : SUBSTITUTED BENZENESULFONAMIDE

CAS NUMBER : 00080-39-7

CARCINOGENICITY:

THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN
BY NTP, IARC, OR OSHA.

CHEMICAL NAME: DIETHYLENE TRIAMINE, DIGLYCIDYL ETHER OF
BISPHENOL A ADDUCT

COMMON NAME : AMINE ADDUCT

CAS NUMBER : 68585-27-3

CARCINOGENICITY:

THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN
BY NTP, IARC, OR OSHA.

SECTION III--PHYSICAL DATA

APPEARANCE AND ODOR:

CLEAR AMBER LIQUID, WITH AMMONIA ODOR

BOILING POINT:

RP 1129 HARDENER

> 400F
EVAPORATION RATE:
NOT DETERMINED.
PERCENT VOLATILE:
< 1%.
VAPOR DENSITY:
NOT DETERMINED.
VAPOR PRESSURE:
@ 70C > 1.7 MMHG.
SOLUBILITY IN WATER:
SLIGHT.
PH:
NOT DETERMINED.
SPECIFIC GRAVITY:
1.07 - 1.17 (WATER = 1)

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:
262F (PMCC)
FLAMMABLE LIMITS IN AIR-LOWER:
NOT ESTABLISHED.
FLAMMABLE LIMITS IN AIR-UPPER:
NOT ESTABLISHED.
EXTINGUISHING MEDIA:
CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER.
FIRE FIGHTING PROCEDURES-SPECIAL:
USE SELF-CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC.

SECTION V-REACTIVITY DATA

STABILITY:
STABLE.
CONDITIONS TO AVOID:
EXCESSIVE HEAT FOR PROLONGED PERIODS OF TIME.
INCOMPATIBILITY:
STRONG OXIDIZING AGENTS, ACIDS, METAL-ORGANIC COMPOUNDS.
HAZARDOUS DECOMPOSITION PRODUCTS:
COMBUSTION MAY FORM TOXIC MATERIALS, SUCH AS CARBON DIOXIDE,
CARBON MONOXIDE.
HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

SECTION VI-HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE:
DERMAL; HEATED PRODUCT MAY PRODUCE INHALABLE VAPORS.
THRESHOLD LIMIT VALUE:
NONE ESTABLISHED FOR THIS PRODUCT. SEE THE HAZARDOUS INGREDIENTS SECTION.
SKIN IRRITATION:

CORROSIVE. CAUSES BURNS.
EYE IRRITATION:
 CORROSIVE. CAUSES BURNS.
SENSITIZATION:
 POSSIBLE IN SUSCEPTIBLE INDIVIDUALS.
OVEREXPOSURE EFFECTS:
 DANGER CORROSIVE. CAUSES SKIN AND EYE BURNS. CAUSES ALLERGIC SKIN AND RESPIRATORY REACTIONS.
OVEREXPOSURE-ACUTE:
 DANGER CORROSIVE. CAUSES SKIN AND EYE BURNS.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
 SKIN AND EYE CONDITIONS.
EMERGENCY AND FIRST AID PROCEDURES-EYES:
 IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.
 CALL A PHYSICIAN.
EMERGENCY AND FIRST AID PROCEDURES-SKIN:
 WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE RE-USE.
EMERGENCY AND FIRST AID PROCEDURES-INGESTION:
 IF CONSCIOUS, GIVE PLENTY OF WATER TO DRINK. DO NOT INDUCE VOMITING. CALL A PHYSICIAN.
EMERGENCY AND FIRST AID PROCEDURES-INHALATION:
 REMOVE TO FRESH AIR. GIVE OXYGEN AND/OR ARTIFICIAL RESPIRATION, IF NEEDED. CALL A PHYSICIAN.
EMERGENCY AND FIRST AID PROCEDURES-OTHER:
 REFERRAL TO A PHYSICIAN IS RECOMMENDED IF THERE IS ANY QUESTION ABOUT THE SERIOUSNESS OF ANY INJURY.

SECTION VII-SPILL OR LEAK PROCEDURES

SPILL PROCEDURES:
 REMOVE SPILLAGE BY ABSORBING IN ABSORBENT MATERIAL.
 AVOID CONTACT.
WASTE DISPOSAL METHODS:
 CONSULT QUALIFIED LOCAL OR CORPORATE PERSONNEL FOR METHOD THAT WILL COMPLY WITH LOCAL, STATE AND FEDERAL HEALTH AND ENVIRONMENTAL REGULATIONS.

SECTION VIII-SPECIAL PROTECTION INFORMATION

VENTILATION:
 GENERAL MECHANICAL AND LOCAL EXHAUST IN ACCORDANCE WITH ACGIH RECOMMENDATIONS.
PROTECTIVE GLOVES:
 IMPERMEABLE GLOVES AND PROTECTIVE CLOTHING.
EYE PROTECTION:
 FULL FACE SHIELD.
RESPIRATORY PROTECTION:
 USE NIOSH APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR WHEN VAPOR/MIST EXPOSURE IS LIKELY.

SECTION IX-SPECIAL PRECAUTIONS

RP 1129 HARDENER

HANDLING, SHIPPING AND STORING PRECAUTIONS:

DANGER CORROSIVE - CAUSES SKIN AND EYE BURNS. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION. DO NOT GET IN EYES, ON SKIN, OR CLOTHING. AVOID BREATHING VAPOR OR MIST. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

HANDLING PRECAUTIONS:

NUISANCE DUST MAY BE GENERATED WHEN SANDING OR SAWING CURED MATERIAL.

SECTION X- REGULATORY INFORMATION

DOT CLASS:

CORROSIVE MATERIAL.

RCRA STATUS:

NOT A HAZARDOUS WASTE UNDER RCRA (40 CFR 261) BUT HANDLE WITH CARE DUE TO CORROSIVE EFFECT ON SKIN AND EYES.

TSCA INVENTORY STATUS:

CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

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FOR FURTHER INFORMATION, PLEASE CONTACT: ALAN TAYLOR

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RP 1129 HARDENER